METHOD OF ANALYZING DATA UNTILIZING QUEUE ENTRY

Abstract

A processor having a limited amount of local memory for storing code and/or data utilizes a program stored in external memory. The program stored in external memory is configured into blocks which can be loaded individually into the local memory for execution. Queuing the individual blocks of code allows the program to be executed by the processor and also facilitates loading of the subsequent code to be executed. A semaphore system can be utilized to indicate which blocks of local memory are available/unavailable. A group of transfer parameters as queue entries allow code and data for an algorithm to be transferred between both local and external memory.